

## EAST Search History

| Ref # | Hits   | Search Query                                    | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|------------------------------|------------------|---------|------------------|
| L1    | 1      | thick and "6353707".pn.                         | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/10/15 08:39 |
| L2    | 115658 | flexible same groove or channel<br>same heating | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/10/15 08:40 |
| L3    | 149116 | 2 adn "392"/\$.ccls.                            | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/10/15 08:40 |
| L4    | 1508   | 2 and "392"/\$.ccls.                            | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/10/15 08:40 |
| L5    | 81155  | thick near3 film                                | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/10/15 08:40 |
| L6    | 10     | 4 and 5   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/10/15 08:41 |
| L7    | 304    | laminate near3 heater                           | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/10/15 08:41 |
| L8    | 1995   | laminate same heater                            | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/10/15 08:41 |
| L9    | 62349  | (channel or groove or passge) same<br>heating   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/10/15 08:42 |
| L10   | 138    | 8 and 9   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/10/15 09:32 |
| L11   | 8      | 10 and "392"/\$.ccls.                           | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/10/15 08:42 |
| L12   | 7      | ("3060300").URPN.                               | USPAT                        | OR               | OFF     | 2007/10/15 08:43 |

# EAST Search History

|     |     |   |                              |    |     |                  |
|-----|-----|---|------------------------------|----|-----|------------------|
| L13 | 210 | ("20010032647"   "2896856"  <br>"3084698"   "3157179"   "3162324"<br>  "3431393"   "3486663"  <br>"3658059"   "3716416"   "3750961"<br>  "3847304"   "3859398"  <br>"3902635"   "3903883"   "3904083"<br>  "3967001"   "3987941"  <br>"3993246"   "4042153"   "4060082"<br>  "4077542"   "4161282"  <br>"4162501"   "4212347"   "4215708"<br>  "4231492"   "4258073"  <br>"4261356"   "4289003"   "4291838"<br>  "4303083"   "4383171"  <br>"4391308"   "4395303"   "4433797"<br>  "4471892"   "4512341"  <br>"4575609"   "4627432"   "4649911"<br>  "4682010"   "4695625"  <br>"4700657"   "4730111"   "4735217"<br>  "4744932"   "4749778"  <br>"4762995"   "4776515"   "4790305"<br>  "4811731"   "4819625"  <br>"4819834"   "4829996"   "4837260"<br>  "4848374"   "4871115"  <br>"4871623"   "4877989"   "4911157"<br>  "4922901"   "4926852"  <br>"4935624"   "4941483"   "4947875"<br>  "4974754"   "4982097"  <br>"4992206"   "5021802"   "5044565"<br>  "5056511"   "5060671"  <br>"5063921"   "5096092"   "5125441"<br>  "5133343"   "5134993"  <br>"5135009"   "5144962"   "5151827"<br>  "5178305"   "5184776"  <br>"5217004"   "5226441"   "5228444"<br>  "5230445"   "5231983"  <br>"5259370"   "5290540"   "5298744"<br>  "5299565"   "5322057"  <br>"5327915"   "5342180"   "5342645"<br>  "5349946"   "5395445"  <br>"5421489"   "5462597"   "5474059"<br>  "5515842"   "5516383"  <br>"5522385"   "5556964"   "5564442"<br>  "5565677"   "5575929"  <br>"5585045"   "5617844"   "5642728"<br>  "5674860"   "5682874"  <br>"5730158"   "5743251"   "5756995"<br>  "5765724"   "5823178"  <br>"5839430"   "5855202"   "5856671"<br>  "5863652"   "5869133"  <br>"5872010"   "5878752").PN. OR<br>("5881714"   "5906202"   "5908527"<br>  "5914122"   "5932249"  <br>"5932315"   "5934272"   "5934273"<br>  "5944025"   "5954979"  <br>"5957124"   "5970973"   "5970974"<br>  "5978548"   "5993633"  <br>"6014970"   "6053176"   "6054032"<br>  "6069214"   "6069219"  <br>"6070575"   "6071478"   "6076577" | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 08:44 |
|-----|-----|---|------------------------------|----|-----|------------------|

## EAST Search History

|     |       |  |                              |    |     |                  |
|-----|-------|--|------------------------------|----|-----|------------------|
| L14 | 67    | ("4668607"   "4891120"   "4908112"   "5132012"   "5194133"   "5443890"   "5500071"   "5534328"   "5571410").PN. OR ("5932315").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 08:46 |
| L15 | 120   | ("1662870"   "3701619"   "4053969"   "4222671"   "4365178"   "4383008"   "4390351"   "4534659"   "4573067"   "4869849"   "4894709"   "4908112"   "5177398"   "5209906"   "5214086"   "5234741").PN. OR ("5534328").URPN.         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 08:48 |
| L16 | 17    | ("20020081468"   "20020094462"   "20020106540"   "20030091502"   "20030190508"   "5534328"   "5811062"   "5961930"   "5961932"   "6200536"   "6470569"   "6537506"   "6541676"   "6569553"   "6638654").PN. OR ("6960235").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 08:50 |
| L17 | 39    | ("1882241"   "2294578"   "2316887"   "3458948"   "3969842"   "4255646"   "4297563"   "4480172").PN. OR ("4871115").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 08:57 |
| L18 | 36    | ("2001632"   "2512875"   "2540295"   "2556470"   "2634361"   "2799764"   "3020379"   "3043943"   "3309500"   "3513296"   "3612823").PN. OR ("3961157").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:00 |
| L19 | 8     | ("2799764").URPN.  | USPAT                        | OR | OFF | 2007/10/15 09:02 |
| L20 | 475   | 11 12 13 14 15 16 17 18 19   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:03 |
| L21 | 6     | ("4254086"   "5746985"   "5961932"   "6635226"   "6946113"   "6960235").PN. OR ("7169367").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:29 |
| L22 | 2904  | flexible and "392"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:29 |
| L23 | 81155 | thick near3 film   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:29 |
| L24 | 133   | 22 and "234"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:29 |

## EAST Search History

|     |        |   |                              |    |     |                  |
|-----|--------|---|------------------------------|----|-----|------------------|
| L25 | 32     | 22 and 23   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:29 |
| L26 | 38     | ("3047702"   "3541305"   "3978316"<br>  "4357526"   "4531047"  <br>"4733056"   "4785150"   "4806739"<br>  "5343021"   "5409668"  <br>"5498855"   "5693244"   "5753893"<br>  "5911896").PN. OR ("6037574").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:37 |
| L27 | 686091 | (fluid or liquir or water) same<br>(channel or groove or passage)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/10/15 09:38 |
| L28 | 822526 | (fluid or liquid or water) same<br>(channel or groove or passage)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/10/15 09:38 |
| L29 | 11312  | 28 and "219"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/10/15 09:39 |
| L30 | 4152   | 28 and "392"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/10/15 09:39 |
| L31 | 13749  | 29 30   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:39 |
| L32 | 3570   | 31 and flexible   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:39 |
| L33 | 368941 | (thin or thick) near3 film  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:40 |
| L34 | 224    | 32 and 33   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 11:21 |
| L35 | 39     | ("4208159"   "4370011"   "4573067"<br>  "4604572"   "4721462"  <br>"4787752"   "4791364"   "4848090"<br>  "4962355"   "4982153"  <br>"5001423"   "5086269"   "5126656"<br>  "5164661"   "5166607"  <br>"5294778"   "5309978"   "5315240"<br>  "5343012"   "5360348"  <br>"5420521"   "5523678"   "5528159"<br>  "5807066"   "5821505"  <br>"5844208"   "5846375"   "5847293"<br>  "5847366"   "5851298"  <br>"5854468"   "5927077"   "5966940"<br>  "5993591"   "6024526"  <br>"6084215"   "6166937").PN. OR<br>("6717115").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:54 |

## EAST Search History

|     |      |  |                              |    |     |                  |
|-----|------|--|------------------------------|----|-----|------------------|
| L36 | 0    | flexible and "6037574".pn.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:55 |
| L37 | 1    | flexible and "6572830".pn.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:56 |
| L38 | 0    | flexible and "7169367".pn.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 09:56 |
| L45 | 61   | ("2255376"   "2473183"   "2515294"<br>  "2549095"   "2559077"  <br>"2592525"   "2745942"   "3143640"<br>  "3243753"   "3412358"  <br>"3448246"   "3537053"   "3584198"<br>  "3694624"   "3852570").PN. OR<br>("4149066").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 10:33 |
| L53 | 18   | ("3884295"   "3960207"   "4003426"<br>  "4248291"   "4487856"  <br>"4572864").PN. OR ("4774395").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 10:44 |
| L54 | 1768 | 219/528-529.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 11:21 |
| L55 | 21   | 54 and 23  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 11:29 |
| L56 | 1    | "6572830".pn. and thick  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 11:30 |
| L57 | 1    | "6960235".pn. and thick  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 11:30 |
| S1  | 1    | ("20060289473").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:05 |
| S2  | 2    | ((("6353707") or ("4310745") or<br>("6353707"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:07 |
| S3  | 41   | ("0600057"   "2530806"   "2540295"<br>  "2790889"   "2889445"  <br>"3086187"   "3136885"   "3260835"<br>  "3265865"   "3317657"  <br>"4032751").PN. OR ("4310745").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:08 |

## EAST Search History

|    |    |   |                              |    |     |                  |
|----|----|---|------------------------------|----|-----|------------------|
| S4 | 65 | ("1175433"   "1226627"   "1928142"<br>  "2022314"   "2360266"  <br>"2559077"   "2597338"   "2600486"<br>  "2856496"   "2938103"  <br>"2941176"   "3033970"   "3118042"<br>  "3179544"   "3266661"  <br>"3316390"   "3387248"   "3417229"<br>  "3423574"   "3539767"  <br>"3546432"   "3584198"   "4057707"<br>  "4058704"   "4176445"  <br>"4220846"   "4281238"   "4297670"<br>  "4334350"   "4467311"  <br>"4529958"   "4551614"   "4574186"<br>  "4581522"   "4588976"  <br>"4659906"   "4710612"   "4717812"<br>  "4908599"   "5519191"  <br>"5624750"   "5824996").PN. OR<br>("6353707").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:10 |
| S5 | 76 | ("3349359"   "3385959"   "3657516"<br>  "3774299"   "3935422"  <br>"4149066"   "4250397"   "4309596"<br>  "4538054"   "4764665"  <br>"4825049"   "4983814"   "5023433"<br>  "5068518"   "5298722").PN. OR<br>("5824996").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:24 |
| S6 | 1  | ("7227104").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:24 |
| S7 | 6  | ("3852569"   "3998145"   "5642659"<br>  "5937742"   "6433312"  <br>"D414075").PN. OR ("7227104").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:27 |
| S8 | 45 | ("3425864"   "3968347"   "4032751"<br>  "4280046"   "4310745"  <br>"4498071"   "4697165"   "4713530"<br>  "4724305"   "4776070"  <br>"4808490"   "4813372"   "4860434"<br>  "5344696"   "5408070"  <br>"5414245"   "5434388"   "5600414"<br>  "5616263"   "5643483"  <br>"5665262"   "5705272"   "5822675"<br>  "5841111"   "5928547").PN. OR<br>("6222166").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:30 |
| S9 | 41 | ("0600057"   "2530806"   "2540295"<br>  "2790889"   "2889445"  <br>"3086187"   "3136885"   "3260835"<br>  "3265865"   "3317657"  <br>"4032751").PN. OR ("4310745").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:32 |

## EAST Search History

|     |       |  |                              |    |     |                  |
|-----|-------|--|------------------------------|----|-----|------------------|
| S10 | 22    | ("2512875"   "2556470"   "2634361"   "4032751"   "4167598"   "4310745"   "4743740"   "4878332"   "4990744"   "5004895"   "5006391"   "5061541"   "5461213"   "5532039"   "5635273"   "5714226"   "5879780"   "5888613").PN. OR ("6188839").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:32 |
| S11 | 46    | ("3852401"   "4003426"   "4446917"   "4504402"   "4531511"   "4572864"   "4581285"   "4587279"   "4612239"   "4617332"   "4645613"   "4711813"   "4747240"   "4756958"   "4774133"   "4797160"   "4825939"   "4856294"   "5053446"   "5069358"   "5106520"   "5211949"   "5254380"   "5282994"   "5290904"   "5415222").PN. OR ("5532039").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:33 |
| S12 | 23    | ("2138217"   "2540465"   "2612585"   "3095491"   "3303324"   "3564207"   "3812320"   "4185186"   "4415798"   "4859834"   "4873332"   "5029231").PN. OR ("5461213").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:34 |
| S13 | 19    | ("1112582"   "1505681"   "1534673"   "2138217"   "3234355"   "3277273"   "3479490"   "4247979").PN. OR ("4415798").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:35 |
| S14 | 9     | ("2138217").URPN.  | USPAT                        | OR | OFF | 2007/10/12 12:35 |
| S15 | 27    | ("2787723"   "2889445"   "3013898"   "3031739"   "3077413"   "3153140"   "3155814"   "3303324"   "3479490").PN. OR ("3564207").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:36 |
| S16 | 37    | ("2889439"   "2900290"   "2952761"   "4063068").PN. OR ("4860434").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:45 |
| S17 | 381   | S1 S2 S3 S4 S5 S6 S7 S8 S9 S10<br>S11 S12 S13 S14 S15 S16  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:45 |
| S18 | 81155 | thick near3 film   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 13:03 |
| S19 | 29    | S17 and S18  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:45 |

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|     |       |  |                              |    |     |                  |
|-----|-------|--|------------------------------|----|-----|------------------|
| S20 | 22    | ("4938815"   "5039840"   "5231690"   "5294778"   "5889261"   "6066836"   "6222166"   "6225608"   "6364954"   "6376811"   "6423949"   "6491757"   "6639189"   "6646235"   "6736997"   "6740853"   "6744018"   "6762396"   "6828032"   "6855916"   "6875960"   "6878906").PN. OR ("7126092").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:54 |
| S21 | 20    | ("3539767").URPN.  | USPAT                        | OR | OFF | 2007/10/12 12:57 |
| S22 | 8319  | 219/527-549.ccls.  | USPAT                        | OR | OFF | 2007/10/12 12:58 |
| S23 | 1527  | flexible same S18  | USPAT                        | OR | OFF | 2007/10/12 12:59 |
| S24 | 8     | S22 and S23  | USPAT                        | OR | OFF | 2007/10/12 12:59 |
| S25 | 7     | ("3417229"   "4656339"   "4788417"   "5226225").PN. OR ("5565124").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 12:59 |
| S26 | 36    | ("3808108"   "3852563"   "3953264"   "3971684"   "3973106"   "4007352"   "4030408"   "4038517"   "4059480"   "4194108"   "4203025").PN. OR ("4298786").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 13:00 |
| S27 | 82945 | thick near3 (film or conductor)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 13:03 |
| S28 | 249   | S27 and S22  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 11:15 |
| S29 | 22    | ("20030231415"   "20050141845"   "2629166"   "3010850"   "3851150"   "4196411"   "4734563"   "4764665"   "4882466"   "5087804"   "5424767"   "5444228"   "5504307"   "5665262"   "5742223"   "5808178"   "5866194"   "5973296"   "6575729"   "6602345").PN. OR ("7132628").URPN.                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 13:04 |
| S30 | 11    | ("2007111"   "2799765"   "5119761"   "5151871"   "5851298"   "5904872").PN. OR ("6365879").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 13:07 |



## EAST Search History

|     |    |   |                              |    |     |                  |
|-----|----|---|------------------------------|----|-----|------------------|
| S31 | 25 | ("1820514"   "2945114"   "3127300"<br>  "3196253"   "3505498"  <br>"3788513"   "3806701"   "3869596"<br>  "3909591"   "3971361"  <br>"4031353"   "4492853"   "4493978"<br>  "4680452"   "4715269"  <br>"5189947"   "5557704"  <br>"5657532").PN. OR ("6137089").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 13:08 |
| S32 | 12 | ("1615464"   "2296591"   "2337836"<br>  "3505498"   "3710076"  <br>"4851645"   "4852471").PN. OR<br>("6046438").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 13:09 |
| S33 | 38 | ("3047702"   "3541305"   "3978316"<br>  "4357526"   "4531047"  <br>"4733056"   "4785150"   "4806739"<br>  "5343021"   "5409668"  <br>"5498855"   "5693244"   "5753893"<br>  "5911896").PN. OR ("6037574").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 14:21 |
| S34 | 1  | ("20050173404").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/12 14:26 |
| S35 | 1  | ("20060151469").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/10/15 08:28 |